SONY

EDITSTATION

ES-7

BASIC DME
SWITCHER BOARD
ESBK-7021

3D EFFECT BOARD FOR
BASIC DME SWITCHER
ESBK-7022

ADVANCED DME
SWITCHER BOARD
ESBK-7023

3D EFFECT BOARD FOR
ADVANCED DME SWITCHER
ESBK-7024

EXTERNAL SWITCHER
INTERFACE BOARD
ESBK-7025

QSDI INTERFACE BOARD
ESBK-7031

SDI INTERFACE BOARD
ESBK-7032

DISK RECORDER BOARD
ESBK-7041

SCSI OPTION
ESBK-7051

ETHERNET OPTION
ESBK-7052

ESDRAW
ESBK-7071

SERVICE MANUAL

SUPPLEMENT-2

Please add and replace your manual with this SUPPLEMENT-2.

Applicable Manual

1st Edition (9-977-660-01)

EDIT STATION™

Refer to next page for details.

ES-7 (UC, CE, 英)
9-977-660-82

Sony Corporation
Image & Sound Communication Company

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© 1997
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Engineering Services Dept.

SUBJECT

- TABLE OF CONTENTS
- SECTION 2 SERVICE INFORMATION
- SECTION 7 SPARE PARTS AND OPTIONAL FIXTURES

Replace the following pages.
SECTION 2. 2-35, 2-36
SECTION 7. 7-3 through 7-6, 7-19, 7-20

Add the following Pages.
SECTION 2. 2-46 and higher

LITHIUM BATTERY

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

ADVARSEL

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ.
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en likvärdig typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt gällande föreskrifter.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

VAROITUS

Paristo voi räjähtää jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

LASER (for USA)

CAUTION

Use of Controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

LASER (for EUROPE)

CLASS 1 LASER PRODUCT
LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This ES-7 is classified as a CLASS 1 LASER PRODUCT.
The CLASS 1 LASER PRODUCT label is located on the rear panel.

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Serial No : up to 10999 (For UC)
up to 30999 (For CE)

See this section.

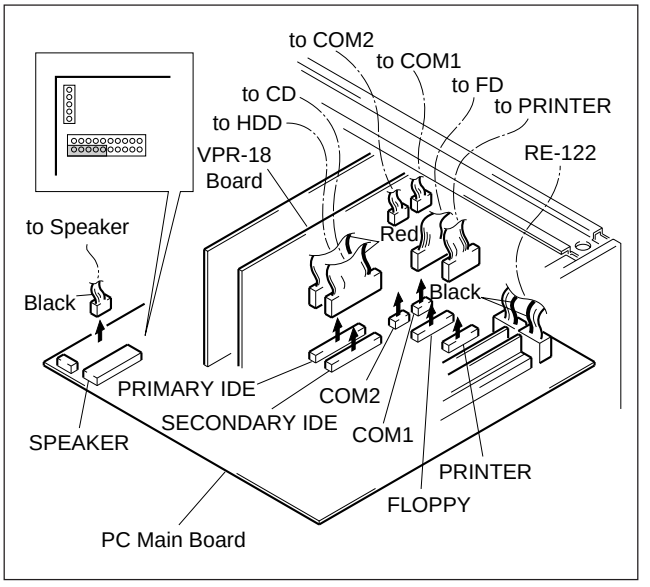
Serial No : 11001 and higher (For UC)
31001 and higher (For CE)

See the ES-7 Kit-1 manual.
(Part number : 9-955-130- 01)

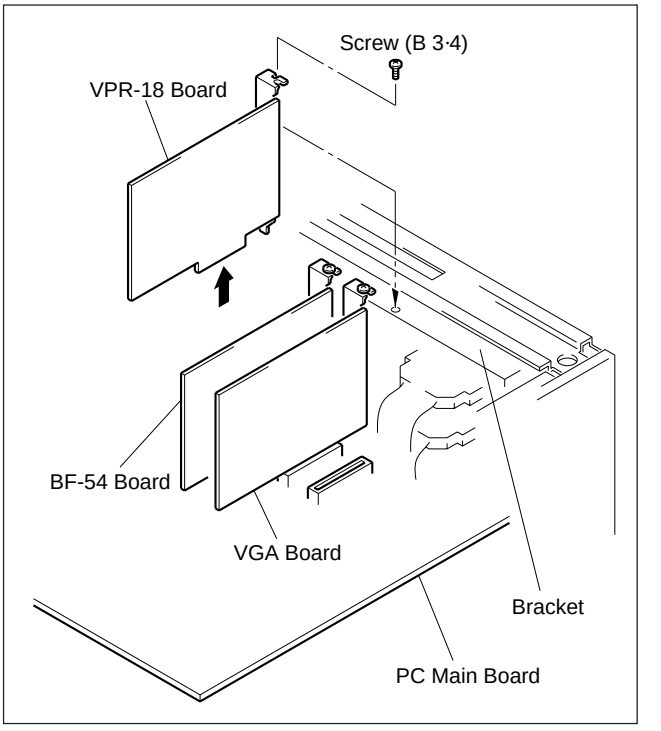
[How to replace]

Note: In the event of failure on the PC main board, be sure to replace the board on which the parts are mounted.

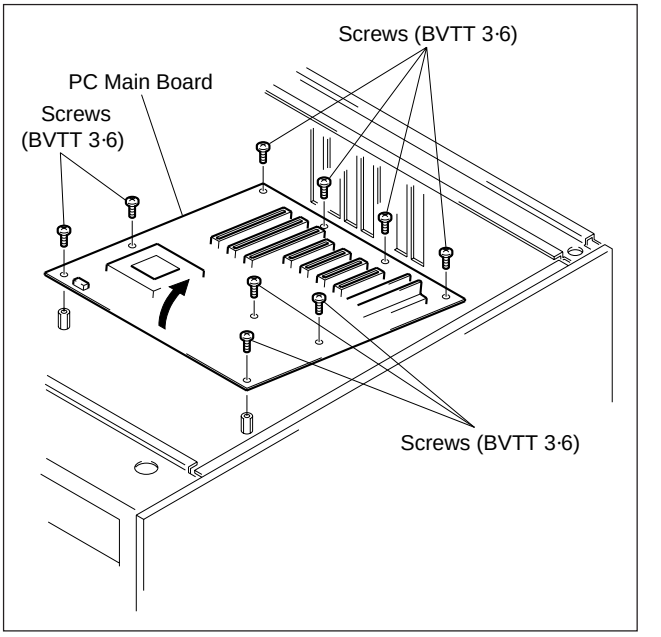
① Remove the top panel. (Refer to section 2-6.)
② Disconnect the nine connectors on the PC main board.



③ Remove the screw (B 3 × 4) from the bracket, and then remove the VPR-18 board. Remove the VGA board and BF-54 board, ESBK-7051 or ESBK-7052 (these ESBK are the optional boards.) from the PC main board.

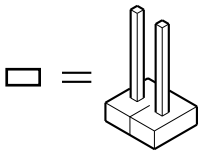


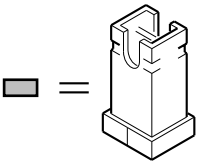
④ Remove the nine screws (BVTT 3 × 6), and then remove the PC main board.

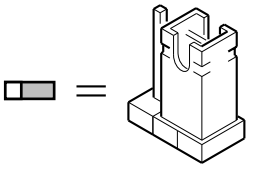


[JUMPER]

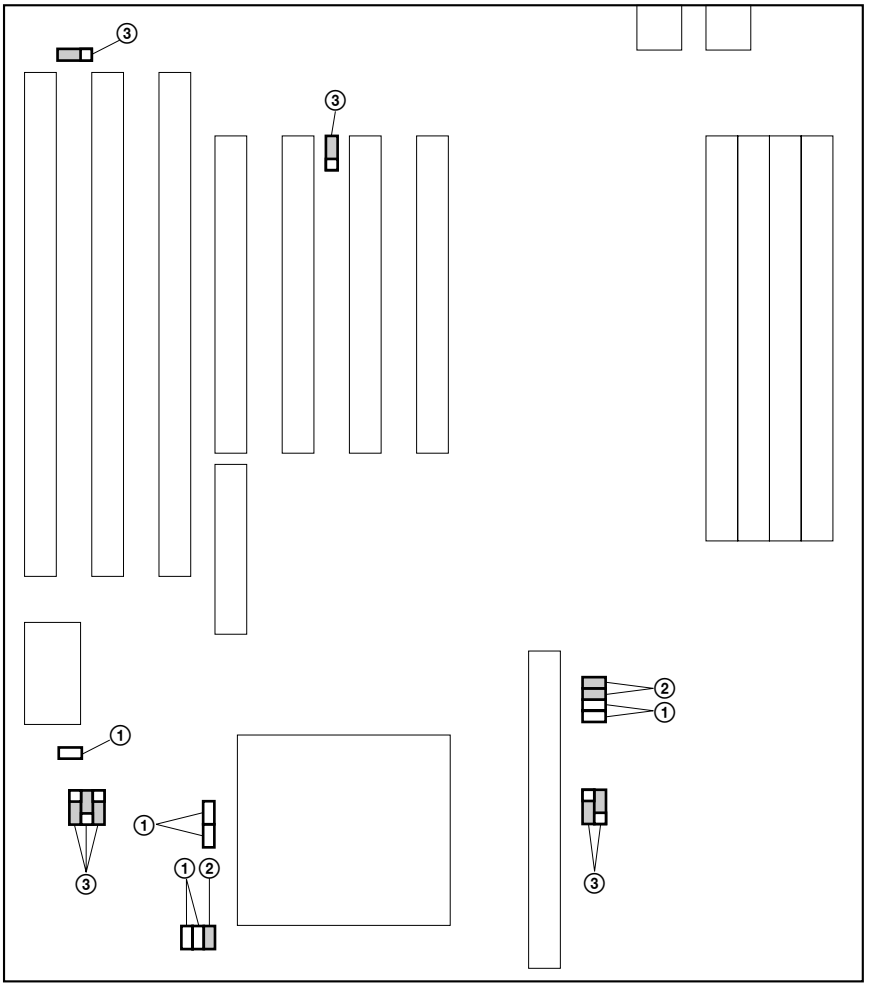
Confirm that jumpers are set to the following position.

① 

② 

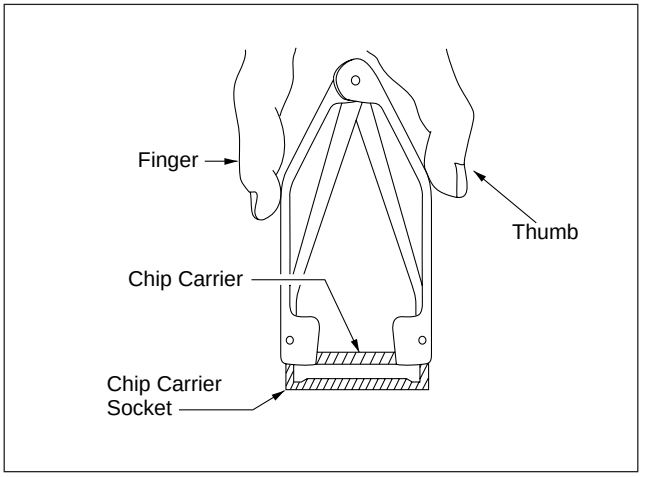
③ 

PC Main Board (Rear)



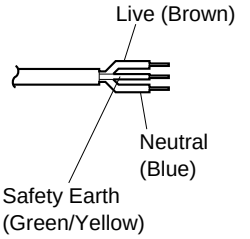
(Front)

3. Place the thumb and the first and second finger on the ribbed area of the tool. Maintain a small downwartd force to keep the tool butted on the socket.
   Squeeze the thumb and finger together so that the tool legs tend to straighten. This action will draw the chip carrier out of the socket and grip it within the tool legs. Maintain the squeezing action so as to hold the chip in the tool, hold the tool over your other hand and relax the squeeze. The chip will fall out of the tool and into your hand.



2-8-4. Power Supplied Cord for CE

Power Cord : 1-590-910-11



2-9. ERROR MESSAGES

When the system detects an error or failure in operations, settings, connections, or peripheral equipment, a message box appears on the monitor. The message box contains a message explaining the cause of the problem and an icon (STOP, !, or i) that indicates how serious it is. The message box also contains buttons such as [Yes] or [No] that allow you to respond to the message.
The following table lists system error messages, explains the function of message box buttons, and explains steps you can take to deal with the problem.

2-9-1. Messages Displayed With The STOP Icon

Message	Buttons/Steps to take
Are you sure that you want to revert to tape clip?	[Yes]: Revert. [No]: Do not revert.
EditStation cannot obtain VTR status. Please check selected VTR.	[OK]: Close the message box.
Insufficient memory to complete this operation.	[Abort]: Stop the process and close the message box.
Not enough memory to allocate the requested number of clips.	[Abort]: Stop the process and close the message box. Steps to take: Delete some of the clips.
One or more disk units are not formatted. It takes about 6 minutes per unit.	[Yes]: Display a format confirmation message. [No]: Stop the process.
Selected VTR is not powered on, or 9-pin cable is not connected.	[OK]: Close the message box.
The device could not be found or recognized.	[OK]: Close the message box. Steps to take: Restart all peripheral equipment.
The dynamic link library <XX> could not be found in the specified path.	[OK]: Close the message box. Steps to take: Reinstall the software.
The EditStation failed to initialize properly.	[OK]: Close the message box. Steps to take: Wait for a few seconds and then restart EditStation. The cause may be that a device driver has not completed initialization, or an old software version in the system control module. This message may be displayed if you start EditStation immediately after starting Windows NT.

(Continued)

Message	Buttons/Steps to take
The requested operation was unsuccessful. -<XX>	[Abort]: Stop the process and close the message box. [Retry]: Try the operation again. Steps to take: Change the arrangement on the timeline and try again. The meanings of error codes (XX) are as follows. Take the appropriate steps when indicated. 3: Error occurred during preroll. Steps to take: Check the VCRs. 4: Error occurred during synchronization. Steps to take: Check the sync grade. 5: EDL too large to be processed in one pass. Steps to take: Delete some of the data on the timeline and try again. 6: Timecode not continuous. Steps to take: Use continuous timecode. 9: Color frame lock failed. 10: No cassette memory on tape. 11: Error occurred in cassette memory. 12: No data in cassette memory. 13: Transfer of data from cassette memory was halted. 14: Undefined cassette memory type. 15: Error occurred during execution. Steps to take: Restart the system. 16: Invalid timecode found. Steps to take: Restart the system. 17: Timeline command execution failed. Steps to take: Restart the system. 18: Devices not ready. Steps to take: Power all devices off and on again. 21: More than 100 effects on the timeline. Steps to take: Delete one or more of the effects on the timeline and try again. 22: No response from peripheral equipment. Steps to take: Power all peripheral equipment off and on again. 23: Invalid timecode settings on the timeline. Steps to take: Reduce the amount of data on the timeline and try again. 25: Title clips are less than 3 seconds apart. Steps to take: Make title clips at least 3 seconds apart. 26: Error occurred in the Disk Recorder. Steps to take: Take either of the following steps depending on the circumstances under which the error occurred. 1) If the error occurs when you turn on the power, check the connection between the ES-7 and the Disk Recorder. Format the Disk Recorder if it has been formatted. 2) If the error occurs during operation, check 1) first and then delete unnecessary clips from the Disk Recorder.
There is not enough space or empty ID on the disk unit. Delete one or more clips and then try again.	[Abort]: Stop the process and close the message box.
This clip does not exist on Disk Recorder. Please upload again.	[OK]: Close the message box.

2-9-2. Messages Displayed With The ⓘ Icon

Message	Buttons/Steps to take
Access denied. System file is in use.	[OK]: Close the message box. Steps to take: Wait for a few seconds and then restart EditStation. The cause may be that the system control module is in use. This message may be displayed if you exit EditStation and then restart it immediately.
Cannot find clip. Insert the correct tape.	[OK]: Close the message box.
Cannot set more than 2 clips.	[OK]: Stop the placement of the clips and close the message box.
Clips and tape reel name do not match. Insert the correct tape.	[OK]: Close the message box.
Confirm to clear Recycle Box. Save <XX> before clearing?	[Yes]: Clear the Recycle Box. [No]: Stop the current process.
Confirm to delete <XX> window?	[Yes]: Delete. [No]: Do not delete.
Delete clips from <XX>?	[OK]: Delete the clip data from the clip database and reel data file, and register the deletions in the project file. [Cancel]: Cancel the selection of the clips and do not delete them.
Disk Recorder is not available. You cannot use uploaded clips on project file.	[OK]: Close the message box. Steps to take: To use the Disk Recorder, restart all equipment.
Disk Recorder is not powered on, or SCSI cable is not connected.	[OK]: Close the message box. Steps to take: To use the Disk Recorder, restart all equipment.
Download not available on this configuration.	[OK]: Execute download at normal speed. [Cancel]: Do not execute the download.
EditStation cannot obtain VTR information. Try this execution from <XX> block?	[Yes]: Restarts from the failed edit. [No]: Cancels the attempted operation. Steps to take: If this message appears and the ES-7 fails to record or download when a DSR-85 is connected as the recorder, check that QSDI was not selected for video input signals when creating the master tape. If QSDI was selected for video input signals when creating the master tape, create a master tape again following the instructions given under "To create a master tape using a DSR-85/85P digital VCR" in this Notice. If QSDI was not selected for video input signals when creating the master tape, clips may have been pasted on timeline without sufficient spacing or the VCR may have failed to synchronize.
Execute ClipLink on analog video format?	[Yes]: Execute. [No]: Do not execute.
Fade In/Out is not adequate to this clip. Please set more than 0 and less than clip duration.	[OK]: Stop the process.
High-speed upload not available on this hardware configuration.	[OK]: Execute upload at normal speed. [Cancel]: Do not execute the upload.
Make sure the tape is in the VTR.	[OK]: Stop the current process. Steps to take: Insert a tape in the VCR and try again.

(Continued)

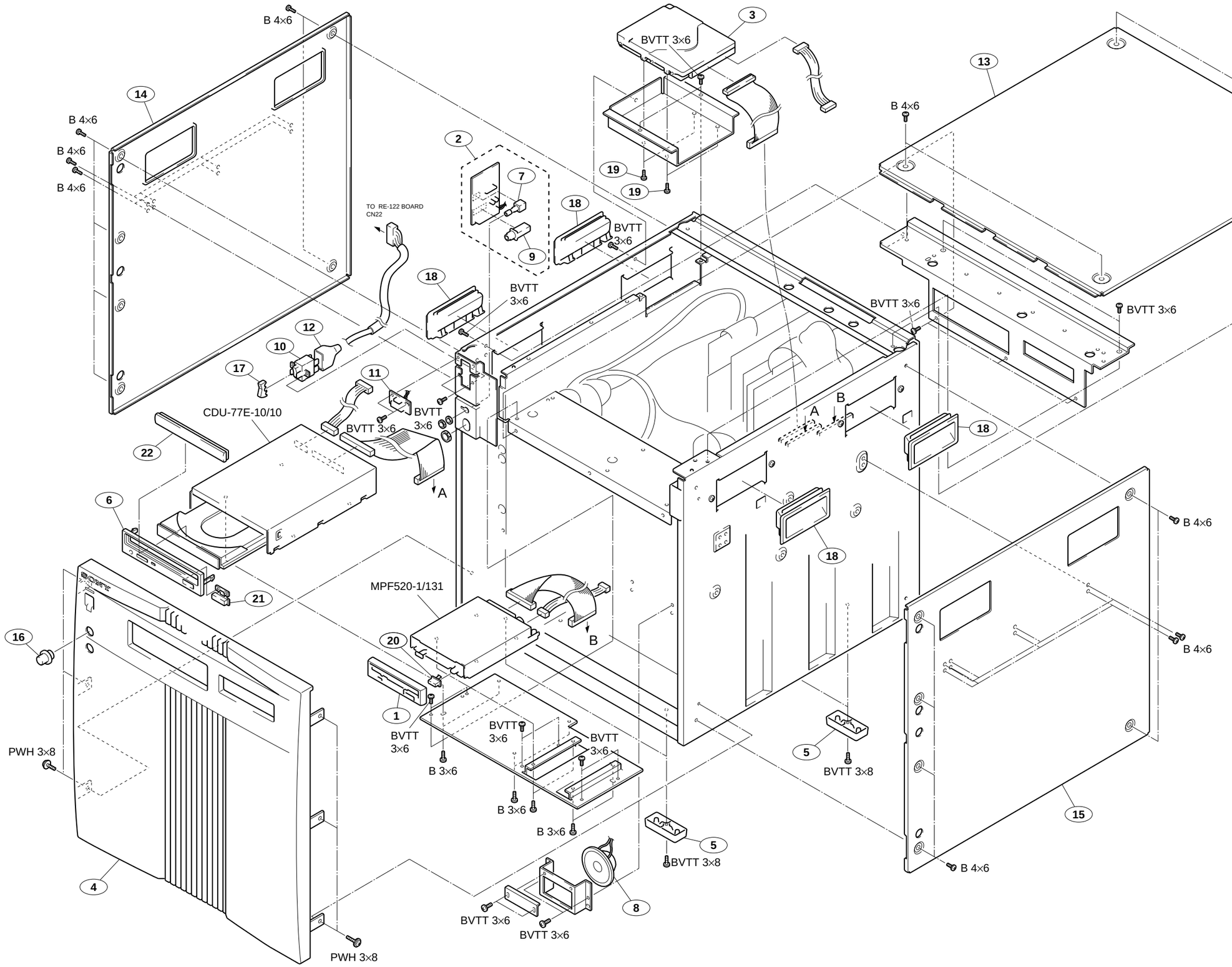
Message	Buttons/Steps to take
No recorder is found. Do you want to do a Player-Preview?	[Yes]: Execute a Player-Preview. [No]: Do not execute a preview.
Please set more than 5 frames between two effects.	[OK]: Stop the process. Steps to take: Reset the effects on the timeline.
Recorder is disabled. Are you sure you want to record?	[Yes]: Execute the recording. [No]: Do not execute the recording.
Recorder is disabled. Are you sure you want to review?	[Yes]: Execute the review. [No]: Do not execute the review.
Run Disk B-roll?	[Yes]: Run. [No]: Do not run.
There is not empty effect ID. Delete one or more effects and then try again.	[OK]: Stop the process of pasting an effect on the timeline. Steps to take: Delete one or more effects from the timeline.
This clip stretches over two executable units.	[OK]: Cancel the placement of the clip and close the message box.
This operation sets sync grade of all VTR to rough. Continue?	[Yes]: Make color frame setting. [No]: Remove the check from the check box (do not use color frame editing).
This timeline includes a clip not on Disk recorder. Change to hybrid mode? If there are any clips on S3, S4 track, they will be deleted.	[Yes]: Change to hybrid mode. [No]: Cancel the insertion.
This VTR is set Local. Please set Remote and then try again.	[OK]: Stop the current process. Steps to take: Change the VCR control mode to Remote and try again.
This VTR set recording inhibited. Make sure Rec inhibit switch is off.	[OK]: Close the message box.
Title clip cannot be set without video clips.	[OK]: Stop the placement of the clip and close the message box.
You cannot close Clipbin because it is referenced by Timeline.	[OK]: Stop the process.

2-9-3. Messages Displayed With The Icon

Message	Buttons/Steps to take
Cannot create clip. Set duration more than 4.	[OK]: Close the message box.
Cannot execute if you change title clip. Please replace title clip.	[OK]: Close the message box.
Cannot find key <XX> clip.	[OK]: Close the message box.
Cannot read Cassette Memory. Please try again.	[OK]: Close the message box.
Clip not found.	[OK]: Close the message box.
Disk Recorder is not ready. Please check.	[OK]: Close the message box. Steps to take: Restart all devices.
Insert audio 1/2 ch clip?	[1/2]: Insert into channels 1 and 2. [3/4]: Insert into channels 3 and 4. [Cancel]: Stop the process.
Inserted tape does not have Cassette Memory.	[OK]: Close the message box.
No previous clip found.	[OK]: Close the message box.
Save changes to <XX>?	[Yes]: Save the window in the project file and then close the window. [NO]: Close the window without saving it in the project file. [CANCEL]: Stop execution of the command.
Selected VTR does not have ClipLink function.	[OK]: Close the message box.
There are no clips at this position.	[OK]: Close the message box.
There are no MARK at this clip.	[OK]: Close the message box.
There are no OK status clips.	[OK]: Close the message box.
This clip cannot be inserted at this position.	[OK]: Close the message box.
This clip is on tape. Not available on disk recorder.	[OK]: Close the message box.
This effect pattern cannot be set at this position.	[OK]: Close the message box. Steps to take: Change the arrangement on the timeline.
This effect pattern cannot be set by Auto Add.	[OK]: Close the message box.
This port is in use by another device. Please check.	[OK]: Close the message box.
This MARK is out of range. Delete MARK and create clip?	[OK]: Delete the MARK data and create a clip. [Cancel]: Stop the process and do not create a clip.
You selected 2 SDI inputs. Another audio will not be output.	[OK]: Close the message box.
<XX> was changed. Please replace this title clip.	[OK]: Close the message box.

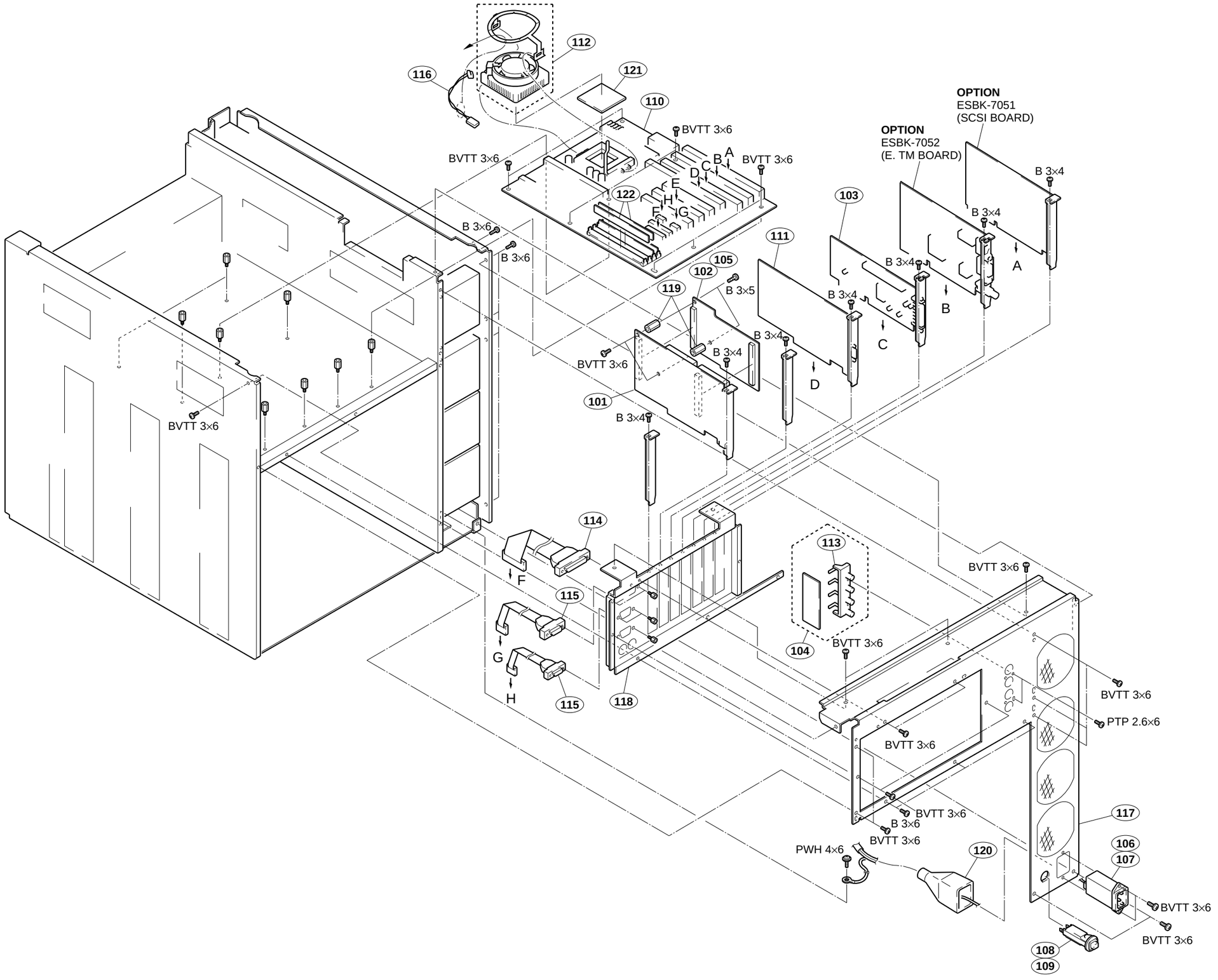
http://getMANUAL.com
FRONT PANEL AND CD-ROM FLOPPY DISK

FRONT PANEL AND CD-ROM FLOPPY DISK



7-3

PC ASSY


112
116
121
110
BVTT 3×6
BVTT 3×6
BVTT 3×6
A
B
C
D
E
F
G
H
122
B 3×6
B 3×6
111
105
102
119
B 3×5
B 3×4
B 3×4
BVTT 3×6
101
B 3×4
BVTT 3×6
OPTION
ESBK-7051
(SCSI BOARD)
OPTION
ESBK-7052
(E. TM BOARD)
B 3×4
103
B 3×4
B 3×4
A
B
C
D
114
F
115
G
H
115
118
113
104
BVTT 3×6
BVTT 3×6
BVTT 3×6
PTP 2.6×6
BVTT 3×6
117
B 3×6
BVTT 3×6
PWH 4×6
120
106
107
BVTT 3×6
BVTT 3×6
108
109

PC ASSY

No.		Parts No.	SP	Description
101		A-8273-914-A	o	MOUNTED CIRCUIT BOARD, VPR-18
102		A-8273-915-A	o	MOUNTED CIRCUIT BOARD, DSC-75 (For J,UC)
103		A-8273-916-A	o	MOUNTED CIRCUIT BOARD, BF-54
104		A-8273-937-A	o	MOUNTED CIRCUIT BOARD, CN-1242
105		A-8273-944-A	o	MOUNTED CIRCUIT BOARD, DSC-75A (For CE)
106	⚠	1-251-506-11	s	INLET (WITH FILTER) (For J, UC)
107	⚠	1-251-507-11	s	INLET (WITH FILTER) (For CE)
108	⚠	1-533-570-11	s	BREAKER, CIRCUIT (For J, UC)
109	⚠	1-533-630-11	s	BREAKER, CIRCUIT (For CE)
110	∗1	1-589-861-11	o	BOARD, PC, MAIN
110	∗2	1-761-019-11	s	BOARD, PC, MAIN
111		1-589-888-11	o	BOARD,VGA
112	∗1	1-698-827-11	s	FAN, D. C. (WITH HEAT SINK)
112	∗2	1-763-027-11	s	FAN, D. C. (WITH HEAT SINK)
113		1-774-966-11	o	CONNECTOR, BNC (RECEPTACLE)
114		1-777-296-11	o	CABLE (WITH CONNECTOR) (25P)
115		1-777-297-11	o	CABLE (WITH CONNECTOR) (9P)
116		1-956-406-11	o	HARNESS, SUB (FAN)
117		3-603-451-02	o	PANEL, REAR
118		3-603-463-01	o	PLATE (2), PC CN
119		3-718-661-01	o	SUPPORT, TC
120		4-601-466-11	s	COVER, 3P INLET
121	∗1	8-759-379-37	s	IC A80502-6100
121	∗2	8-759-481-25	s	IC FV80502-66200
122	∗1	8-749-012-23	s	IC S16265NHC
122	∗2	8-749-014-04	o	IC S32265NHC

∗1 Serial No. up to 20999 (For J)
Serial No. up to 10999 (For UC)
Serial No. up to 30999 (For CE)

∗2 Serial No. 21001 and higher (For J)
Serial No. 11001 and higher (For UC)
Serial No. 31001 and higher (For CE)

POWER SUPPLY

No.	Parts No.	SP	Description
201	A-8273-931-A	o	MOUNTED CIRCUIT BOARD, MB-639
202	A-8273-938-A	o	MOUNTED CIRCUIT BOARD, RE-122 (For J, UC)
203	A-8311-628-A	o	MOUNTED CIRCUIT BOARD, RE-122A (For CE)
204	1-698-779-11	s	FAN, DC
205	1-956-148-11	o	HARNESS, SUB (VPR 1)
206	1-956-149-11	o	HARNESS, SUB (VPR 2)
207	1-956-150-11	o	HARNESS, SUB (BF)
208	1-956-151-11	o	HARNESS, SUB (FP)
209	3-178-164-01	o	RAIL (290), PC BOARD GUIDE